



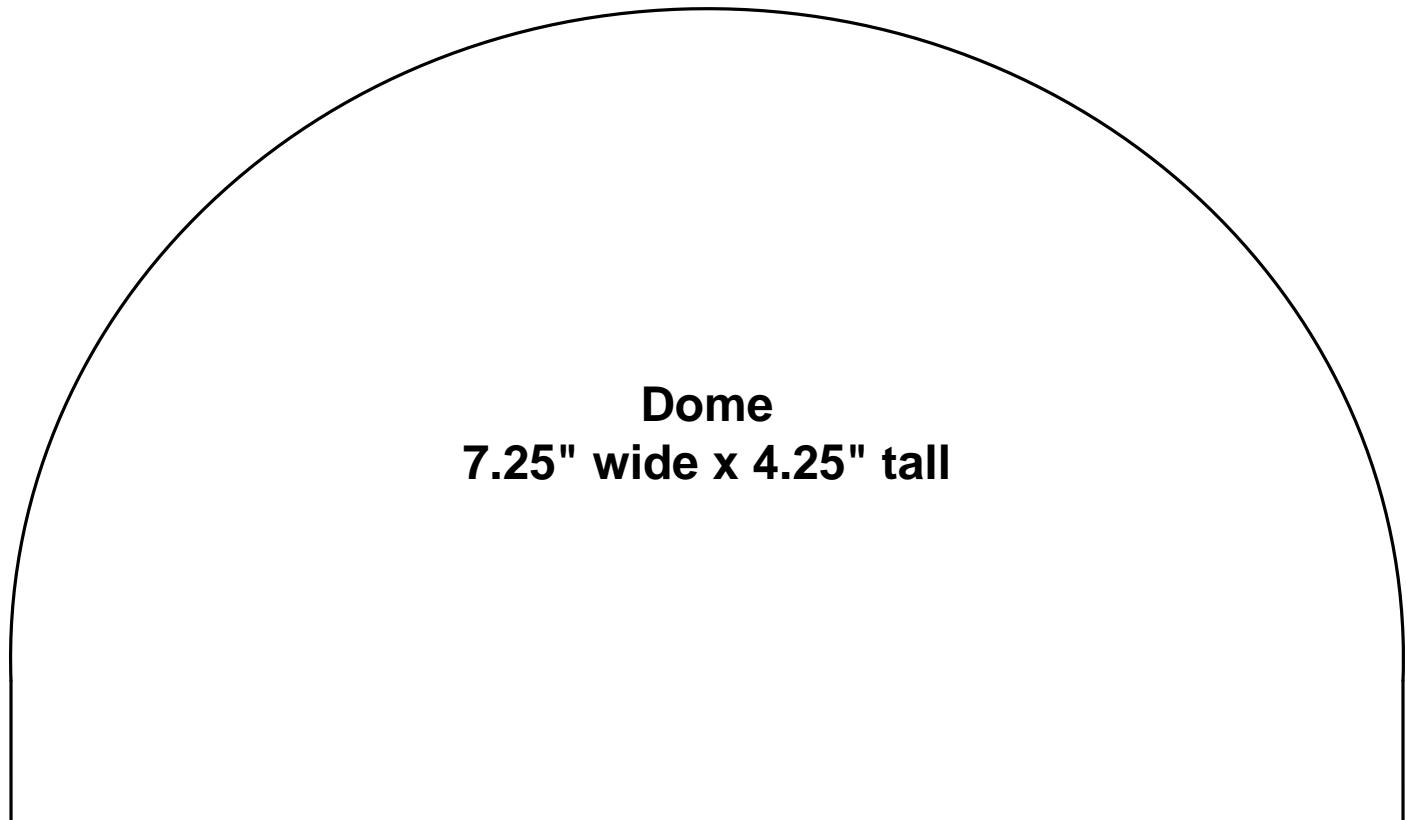
R2-D2 Birdhouse



This is a very fun and challenging art project. Attached are the diagrams and cutting templates I created to help me build my this R2-D2 Birdhouse. This should help you get started with building the basic structure, but you will need to look up R2-D2 pictures to see how to decorate it and paint it as you wish. Have fun! - Steve...



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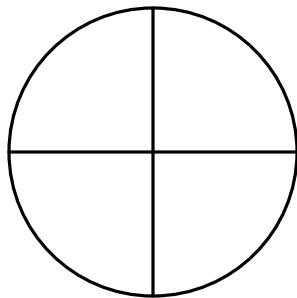


Dome
7.25" wide x 4.25" tall

The dome has some small round attachments on it for R2-D2's projector, tools, etc. I just cut some different size circles from different stock thicknesses, painted them, and glued them on.



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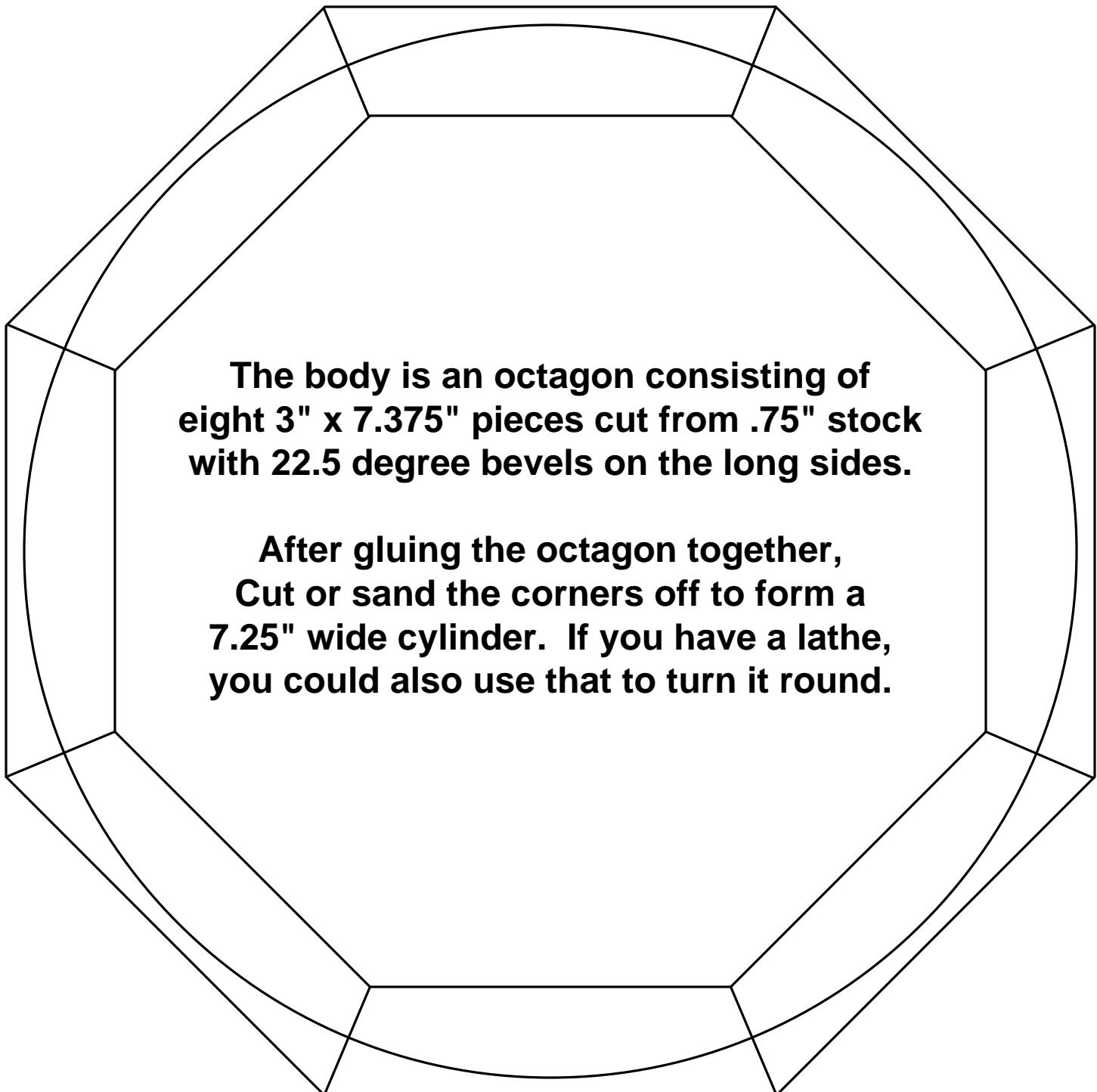


Body
7.25" wide x 7.375" tall
(Optional 1.5" Hole for Birdhouse)

Bottom
7" wide x .75" tall (with Beveled Edge)



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The body is an octagon consisting of eight 3" x 7.375" pieces cut from .75" stock with 22.5 degree bevels on the long sides.

**After gluing the octagon together,
Cut or sand the corners off to form a
7.25" wide cylinder. If you have a lathe,
you could also use that to turn it round.**

R2-D2

Legs

3.125" wide x 9.5" tall

1.5" thick stock

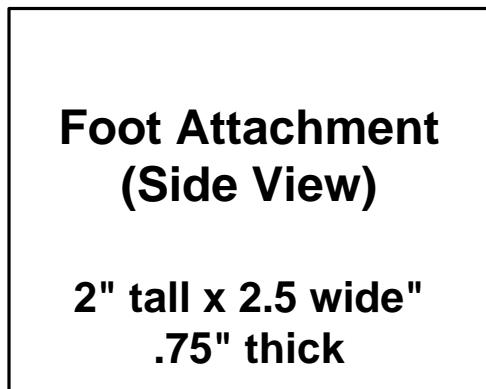
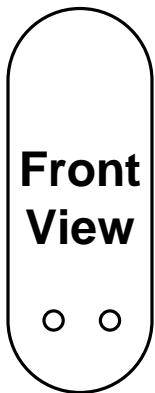
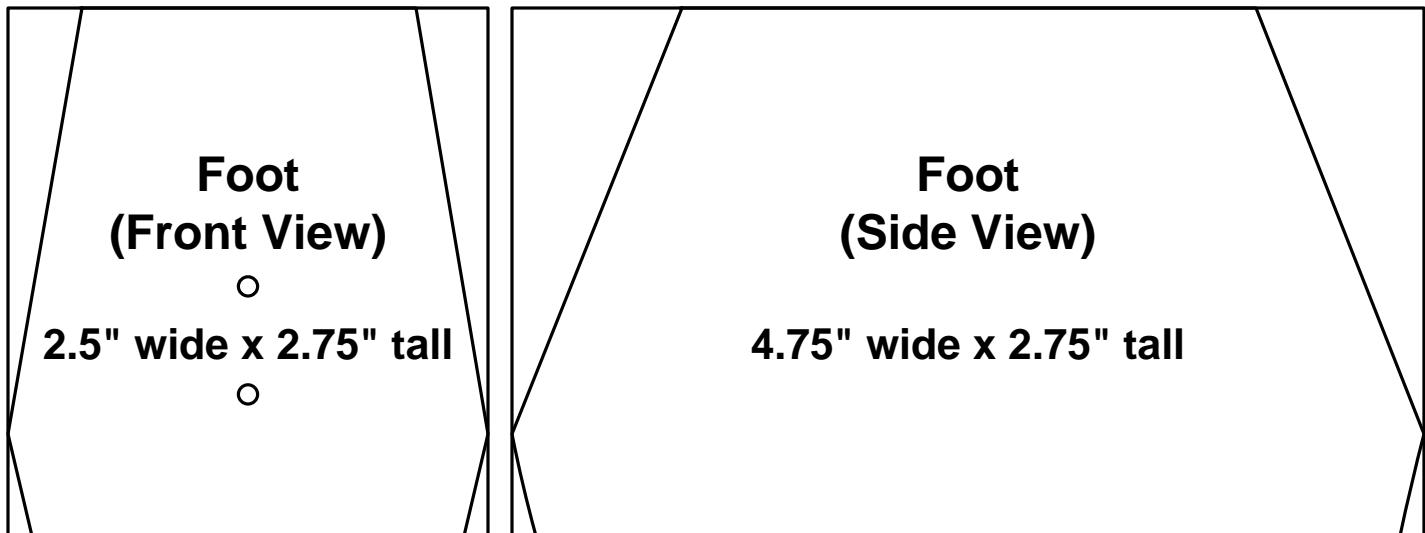
1" holes .75" deep

Cut two 2.5" circles
from .75" stock that will be
used to attach the legs
to the body.

Before gluing discs onto the body,
you will need to sand the
curvature of the body
into one side of each disc
so it will mate well
when gluing.



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To glue the attachments to the feet, sand one corner at a flat angle for better gluing surface.

Note: Drill two shallow holes in the front of each foot and foot attachment for the "cables".